ILD-420x-BL-IRx datasheet and quick installation guide

	ILD-420x-BL-IRx
Kamera	
Image sensor	Aptina 3MP
Sensor size	1/3"
Sensitivity	Day/Night/IR: 0,65 lux / 0,01 / 0 lux
Shutter Time	1/6s - 1/20.000s
Day/Night mode	True
IR LED	3 pcs IR LED, 850nm, 6,8 W
WDR mode	true (100dB)
Compression	
Video Compression	H.264 SVC (Hierarchical P)
Bit Rate	32Kbps - 18Mbps
Streaming	Intellio Video Streaming, Dual streaming over RTSP
Network	
Tamper	Connection Lost Signal, Video Lost Signal
Protocols	FTP, TCP/IPv4, DHCP, DNS
Security	Camera Side User Name and Password
Interface	
Ethernet	10BaseT/100BaseTX, RJ45
Reset Button	Reset To Factory Defaults (IP Address Reset)
General	
Design	IP66 metal enclosure
Operating Condition	IR LED On: -40 - +40 °C IR LED Off: -30 - +55 °C*
Power Supply	DC: 10-26 V, 2000 mA
Power Consumption	Max. 20W
Dimensions	82×89×258 mm (HxWxD)
Weight	760g (with consol)
Certificates	CE: EN 55022, EN 55024, RoHS, FCC

* Please note the camera does not operate until its inner temperature reaches 10 °C which takes 5 minutes at -25 °C ambient temperature.

Installation Guide

Necessary tools
- 5 mm flat head screwdriver

Contents of the kit
- hexagonal wrench
- hole templates for wall mounting
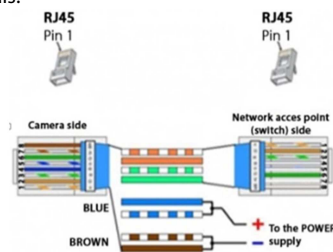- 3 pcs dowels
- 3 pcs screws

Power supply/injection
The power supply adapter (DC 10-26V) must be connected to the (circular) socket of the Y cable power adapter or – after removing this - to the red (+) and white (–) socket-type wire terminals.

Power injection can be done by cutting and extending the Y cable. In this case please refer to the figure below for proper implementation of the power supply.
If the camera is powered by a 12V - os power supply, the cable length between the power supply and the camera cannot exceed 10 meters, but in case of 24V, lengths of up to 80 meters are acceptable. (The lengths above are guaranteed when using a Cat5e ethernet cable).

When using a dedicated power injector, the power supply voltage must not exceed 26V!
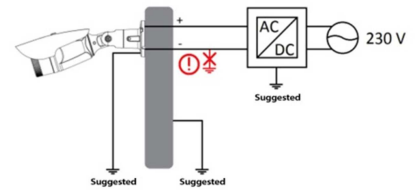
Connecting the Ethernet cable
The network cable has to be connected to the shielded RJ45 socket of the Y cable. You can use a shielded (SFTP or F/UTP) cable, as well.

Grounding the camera
The recommended camera grounding is as follows. The negative output of the power supply must not be grounded at the power supply! In case the camera is mounted on a metal pole, the pole is advised to be grounded, in any other cases, the camera holder is recommended to be grounded. For optimal grounding, gently remove the paint coating at the holder's screw hole to be grounded.

Mounting the camera
The camera can be mounted using the three holes underneath the camera console. The weight of the camera (760g) must be taken into account when mounting it on the wall by selecting the appropriate fixtures. The dowels and screws attached can be used for brick and concrete walls (with a maximum plaster thickness of 5 mm). Consider the mounting finished when the sponge underneath the console is fully covered by the metal cover. Use the template attached to mark the positions of the holes.

Adjusting the direction of the camera
Use the hexagonal wrench attached to loosen the 4 grub screws (marked red in the image below) while holding up the camera to prevent it from "nodding" down, then set the camera in the preferred position. When positioned properly, tighten all the screws on the console.
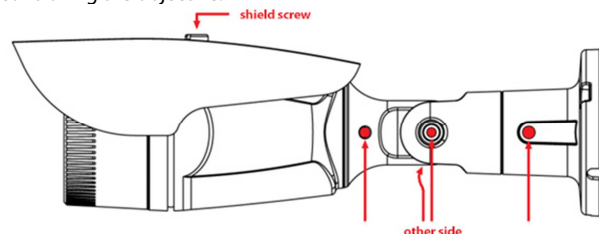
Adjusting zoom and focus
The camera objective can be remote-controlled allowing the zoom and focus to be adjusted from the web interface of the camera or the Intellio management software (IVS 2.8 and newer).
The objective must not be adjusted manually!
After the field of view has been adjusted, the autofocus will automatically adjust the sharpness after a few seconds, which can later be modified in the web interface of the camera or the Intellio management software.
Please refer to the chapters on the camera web interface and the Intellio Video System users' guide for more detailed instructions on remote controlling the objective.
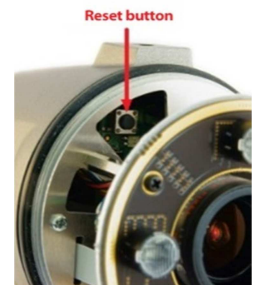

Adjusting the sunshield
The sunshield has to extend 2 cm beyond the front of the camera. If it extends farther, spots will appear on the edges of the camera image and the IR light will be reflected back from it, which may result burn-in. A napellenző pozícióját a kamera tetején lévő csavarral tudja rögzíteni.

Resetting camera to factory default
If you have set a permanent IP address for the camera and then wish to use the camera in a network with dynamic IP addressing, the camera will not be found. In such cases click the reset button on the camera to have an IP address assigned to the camera from the DHCP. Keep the reset button pressed until the green LED switches to red, then release the reset button. In order to have free access to the reset button, first remove the sun cover,

then unscrew the front cover of the camera in clockwise direction.

The camera must under no circumstances be disassembled, since it may result in loss of warranty and the damaging of the waterproof insulation!